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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER WLI-001A U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/588930
INTERNATIONAL APPLICATION NO. PCT/US2005/009500	INTERNATIONAL FILING DATE 22 March 2005 (22.03.2005)	PRIORITY DATE CLAIMED 25 March 2004 (25.03.2004)
TITLE OF INVENTION Ultraviolet Laser System for Decomposing Chemical Pollutants		
APPLICANT(S) FOR DO/EO/US Waheed Mukaddam et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. (Substituting new claims 31 - 71 for original claims 1 - 30) 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. (included with inventor Declaration) 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/588930		INTERNATIONAL APPLICATION NO. PCT/US2005/009500		ATTORNEY'S DOCKET NUMBER WLI-001A	
20. Other items or information:					
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))				\$ 200.00	
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0					
All other situations..... \$200					
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))				\$ 100.00	
If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100					
International Search Report prepared by an ISA other than the US and provided to the Office of previously communicated to the US by the IB..... \$400					
All other situations..... \$500					
TOTAL OF 21, 22 and 23 =				\$ 600.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	41 - 20 =	21	x \$ 50	\$ 1,050.00	
Independent claims	2 - 3 =	0	x \$ 200	\$ -0-	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$ 360	\$ N/A	
TOTAL OF ABOVE CALCULATIONS =				\$ 1,650.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				\$ 825.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$ N/A	
TOTAL NATIONAL FEE =				\$ 825.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ N/A	
TOTAL FEES ENCLOSED =				\$ 825.00	
				Amount to be refunded:	\$
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- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1139. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

David Silverstein
Andover-IP-Law
44 Park Street, Suite 300
Andover, MA 01810

David Silverstein
SIGNATURE
David Silverstein
NAME
26,336
REGISTRATION NUMBER

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Leslie R. Silverstein
(type or print name of person mailing paper)

Leslie R. Silverstein

Re Application of:

Due Date: Sept. 25, 2006

Waheed Mukaddam *et al.*

Mailed: Aug. 9, 2006

Mailer: DS/lrs

For: Ultraviolet Laser System for Decomposing Chemical Pollutants

10/588930

Serial No.

Patent No.

Docket: WLI-001A

In the above matter, the following has been received in the U.S. Patent and Trademark Office on the date stamped hereon.

- ☒ Specification, Abstract and (Sec. 371 + Cover Page) (30) Claims — (24) Total Pages ☐ Extension of time _____
- ☒ Declaration and Power of Attorney ☒ Amendment Preliminary _____
- ☒ Drawing (1 sheets) (Figs. 1 and 2) ☒ Cert. of Mailing Express Mail _____
- ☐ Assignment _____ ☐ Maintenance Fee Transmittal _____
- ☒ Check \$ 825.00 _____ ☐ Affidavit (w/wo Exhibits) _____
- ☐ Request for Recordation ☐ Notice of Appeal _____
- ☒ Information Disclosure Statement ☐ Brief () copies _____
- ☒ Small entity verification ☐ Issue fee transmittal _____
- ☒ Transmittal Letter to DO/EO/US - ☒ Transmittal letter ☐ Filing Under 35 U.S.C. 371 _____
- ☐ _____

1AP7 Rec'd PCT/PTO 09 AUG 2006

IAPTT Rec'd PCT/PTO 09 AUG 2006

Practitioner's Docket No. WLI-001A**CHAPTER II****Preliminary Classification:****Proposed Class:****Subclass:**

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example "Proposed Class 2, subclass 123." M.P.E.P., § 601, 7th ed.

**INFORMATION DISCLOSURE STATEMENT
ACCOMPANYING NEW APPLICATION TRANSMITTAL**

**TO THE UNITED STATES ELECTED OFFICE (EO/US)
(ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)**

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/US2005/009500	22 March 2005 (22.03.2005)	25 March 2004 (25.03.2004)
TITLE OF INVENTION		
Ultraviolet Laser System for Decomposing Chemical Pollutants		
APPLICANT(S)		
Waheed Mukaddam et al.		

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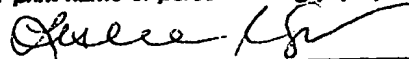
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Leslie R. Silverstein

(type or print name of person mailing paper)



Signature of person certifying

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**IN THE UNITED STATES PATENT OFFICE
AS DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**


Applicant: Waheed Mukaddam et al.
International Application No.: PCT/US2005/009500
International Filing Date: 22 March 2005 (22.03.2005)
Title: ULTRAVIOLET LASER SYSTEM FOR
DECOMPOSING CHEMICAL POLLUTANTS
Agent's File Reference: WLI-001A

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

"Express Mail" Mailing Label Number: EQ 142620626 US
Date of Deposit: August 9, 2006

I hereby certify that the attached international application PCT/US2005/009500 published as WO 2005/094906, a Transmittal Letter Under 35 U.S.C. 371, an executed Declaration/Power of Attorney, an Information Disclosure Statement, check for \$825.00, and a mailroom postcard are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and are addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Leslie R. Silverstein
(Type or print name of person mailing paper)


(Signature of person mailing paper)